Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012320\
Data File : BM024611.D
Acq On : 23 Jan 2020 17:09
Operator : CG/JU
Sample : K5111-07
Misc : 5 PPM LOD
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
LOD-MDL-WATER-01-QT4-2019

**Manual Integrations APPROVED**
mohammad
1/24/2020 1:55:13 PM

Quant Time: Jan 24 11:45:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 23 14:57:07 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.45 | 152 | 199214 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.20 | 136 | 815696 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.09 | 164 | 585422 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.84 | 188 | 1384558 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.05 | 240 | 1488438 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.17 | 264 | 1675975 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.08 | 112 | 1354392 | 129.29 | ng | | 0.00 |
| 7) Phenol-d6 | 6.64 | 99 | 1769848 | 122.65 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.58 | 82 | 1310649 | 78.80 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.59 | 330 | 1255697 | 131.86 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.71 | 172 | 3424587 | 79.53 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.50 | 244 | 7021025 | 88.06 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.08 | 88 | 21642 | 5.223 | ng | | 96 |
| 3) Pyridine | 3.46 | 79 | 58695 | 4.886 | ng | # | 92 |
| 4) n-Nitrosodimethylamine | 3.37 | 42 | 25086 | 4.705 | ng | # | 98 |
| 6) Aniline | 6.79 | 93 | 82056 | 4.671 | ng | | 98 |
| 8) 2-Chlorophenol | 7.02 | 128 | 55619 | 4.664 | ng | | 94 |
| 9) Benzaldehyde | 6.60 | 77 | 40146m | 4.708 | ng | | |
| 10) Phenol | 6.66 | 94 | 66926 | 4.653 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 6.89 | 93 | 56062 | 4.868 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.33 | 146 | 70386 | 4.805 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.48 | 146 | 72615 | 4.886 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.79 | 146 | 69630 | 4.854 | ng | | 96 |
| 15) Benzyl Alcohol | 7.69 | 79 | 53692 | 4.513 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.97 | 45 | 49849 | 4.729 | ng | | 96 |
| 17) 2-Methylphenol | 7.89 | 107 | 44260 | 4.366 | ng | | 94 |
| 18) Hexachloroethane | 8.51 | 117 | 28324 | 4.935 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.25 | 70 | 49696 | 4.587 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.22 | 107 | 61491 | 4.382 | ng | | 98 |
| 22) Acetophenone | 8.26 | 105 | 100353 | 4.771 | ng | # | 98 |
| 24) Nitrobenzene | 8.62 | 77 | 80821m | 5.071 | ng | | |
| 25) Isophorone | 9.15 | 82 | 130525 | 4.618 | ng | | 99 |
| 26) 2-Nitrophenol | 9.33 | 139 | 28656 | 3.883 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.41 | 122 | 43908 | 4.378 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 9.64 | 93 | 79267 | 4.591 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.86 | 162 | 55382 | 4.087 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.07 | 180 | 76151 | 4.660 | ng | | 99 |
| 31) Naphthalene | 10.25 | 128 | 192259 | 4.667 | ng | | 99 |
| 32) Benzoic acid | 9.48 | 122 | 29427m | 3.207 | ng | | |
| 33) 4-Chloroaniline | 10.37 | 127 | 80950 | 4.483 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.56 | 225 | 56516 | 5.003 | ng | | 93 |
| 35) Caprolactam | 11.13 | 113 | 16617 | 3.822 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 11.50 | 107 | 57266 | 3.975 | ng | | 98 |
| 37) 2-Methylnaphthalene | 11.87 | 142 | 147462 | 4.638 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.10 | 142 | 142159 | 4.701 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.26 | 216 | 96309 | 4.609 | ng | | 99 |

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|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.24 | 237 | 47452 | 4.052 ng | 96 |
| 43) 2,4,6-Trichlorophenol | 12.50 | 196 | 53897 | 4.054 ng | 97 |
| 44) 2,4,5-Trichlorophenol | 12.57 | 196 | 55012 | 4.051 ng | 95 |
| 46) 1,1'-Biphenyl | 12.92 | 154 | 212435 | 4.795 ng | 99 |
| 47) 2-Chloronaphthalene | 12.95 | 162 | 165712 | 4.633 ng | 99 |
| 48) 2-Nitroaniline | 13.16 | 65 | 42789 | 3.923 ng | 96 |
| 49) Acenaphthylene | 13.80 | 152 | 242055 | 4.521 ng | 99 |
| 50) Dimethylphthalate | 13.56 | 163 | 219523 | 4.637 ng | 98 |
| 51) 2,6-Dinitrotoluene | 13.67 | 165 | 42180 | 4.191 ng | 88 |
| 52) Acenaphthene | 14.16 | 154 | 150264 | 4.523 ng | 99 |
| 53) 3-Nitroaniline | 14.00 | 138 | 40067 | 3.838 ng | 94 |
| 54) 2,4-Dinitrophenol | 14.21 | 184 | 16210 | 2.693 ng | 94 |
| 55) Dibenzofuran | 14.49 | 168 | 254285 | 4.693 ng | 98 |
| 56) 4-Nitrophenol | 14.32 | 139 | 28660 | 3.512 ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.46 | 165 | 57302 | 3.973 ng | 93 |
| 58) Fluorene | 15.14 | 166 | 202260 | 4.442 ng | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.73 | 232 | 57761 | 4.195 ng | 96 |
| 60) Diethylphthalate | 14.94 | 149 | 215458 | 4.483 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.16 | 204 | 120291 | 4.582 ng | 97 |
| 62) 4-Nitroaniline | 15.16 | 138 | 42015 | 3.646 ng | 86 |
| 63) Azobenzene | 15.44 | 77 | 183829 | 4.484 ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.23 | 198 | 25203 | 3.096 ng | 96 |
| 66) n-Nitrosodiphenylamine | 15.37 | 169 | 176438 | 4.436 ng | 98 |
| 67) 4-Bromophenyl-phenylether | 16.05 | 248 | 75769 | 4.401 ng | 97 |
| 68) Hexachlorobenzene | 16.16 | 284 | 93652 | 4.740 ng | 96 |
| 69) Atrazine | 16.33 | 200 | 64828 | 4.246 ng | 98 |
| 70) Pentachlorophenol | 16.50 | 266 | 43666 | 3.628 ng | 98 |
| 71) Phenanthrene | 16.88 | 178 | 343073 | 4.576 ng | 100 |
| 72) Anthracene | 16.97 | 178 | 319573 | 4.356 ng | 99 |
| 73) Carbazole | 17.24 | 167 | 286536 | 4.290 ng | 98 |
| 74) Di-n-butylphthalate | 17.84 | 149 | 343992 | 4.029 ng | 100 |
| 75) Fluoranthene | 18.91 | 202 | 410540 | 4.387 ng | 98 |
| 77) Benzidine | 19.11 | 184 | 119789 | 3.456 ng | 99 |
| 78) Pyrene | 19.27 | 202 | 431429 | 4.397 ng | 100 |
| 80) Butylbenzylphthalate | 20.22 | 149 | 150457 | 3.654 ng | 100 |
| 81) Benzo(a)anthracene | 21.04 | 228 | 470585 | 4.555 ng | 98 |
| 82) 3,3'-Dichlorobenzidine | 20.98 | 252 | 144697 | 3.894 ng | 100 |
| 83) Chrysene | 21.09 | 228 | 455413 | 4.620 ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.01 | 149 | 226615 | 3.730 ng | 98 |
| 85) Di-n-octyl phthalate | 21.86 | 149 | 363909 | 3.626 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 25.23 | 276 | 478865 | 4.457 ng | 99 |
| 88) Benzo(b)fluoranthene | 22.54 | 252 | 452239 | 4.160 ng | 99 |
| 89) Benzo(k)fluoranthene | 22.59 | 252 | 466926 | 4.401 ng | 99 |
| 90) Benzo(a)pyrene | 23.07 | 252 | 413320 | 4.182 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 25.24 | 278 | 404019 | 4.307 ng | 98 |
| 92) Benzo(g,h,i)perylene | 25.85 | 276 | 367357 | 4.313 ng | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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